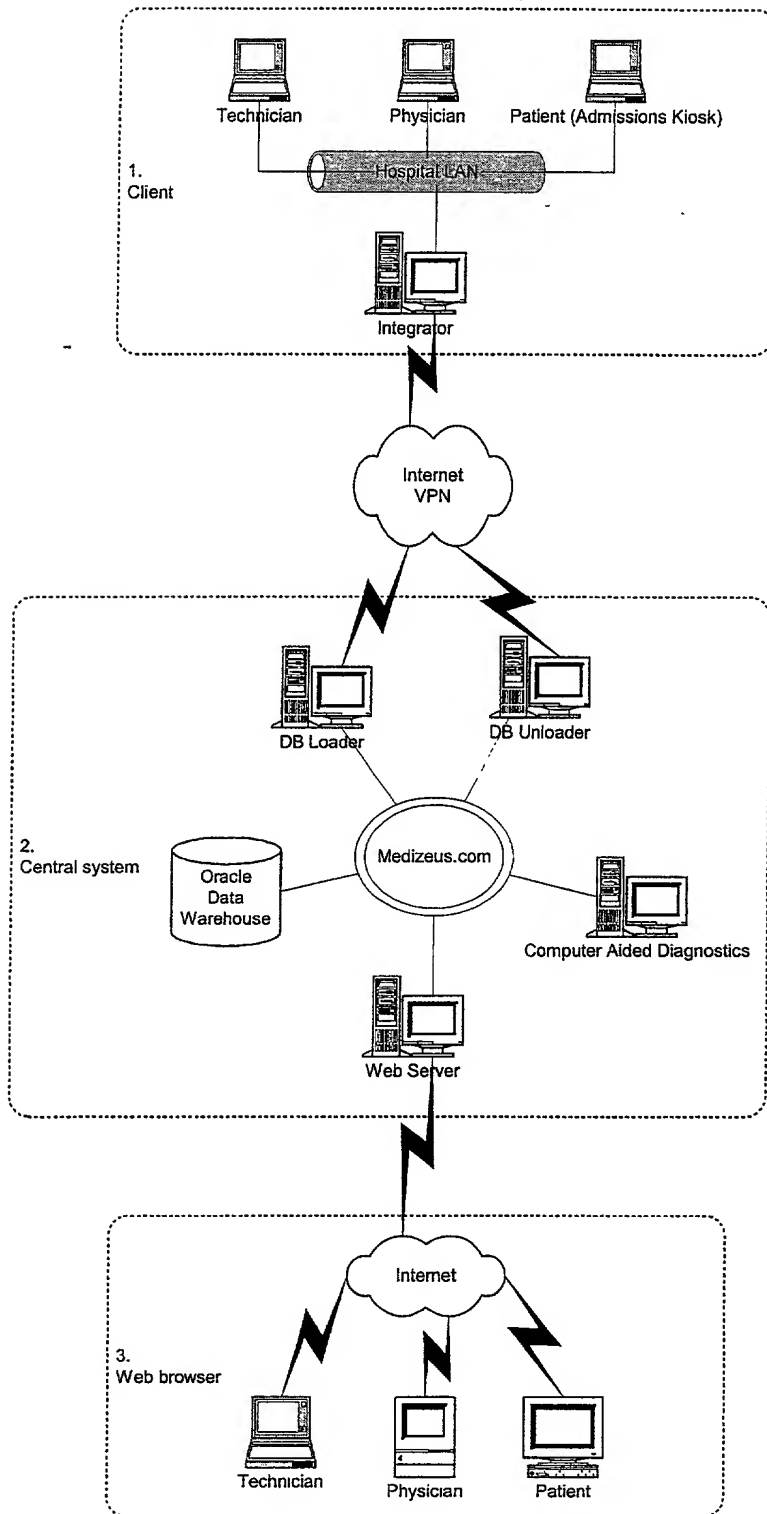


FIG. 1
Architecture Diagram



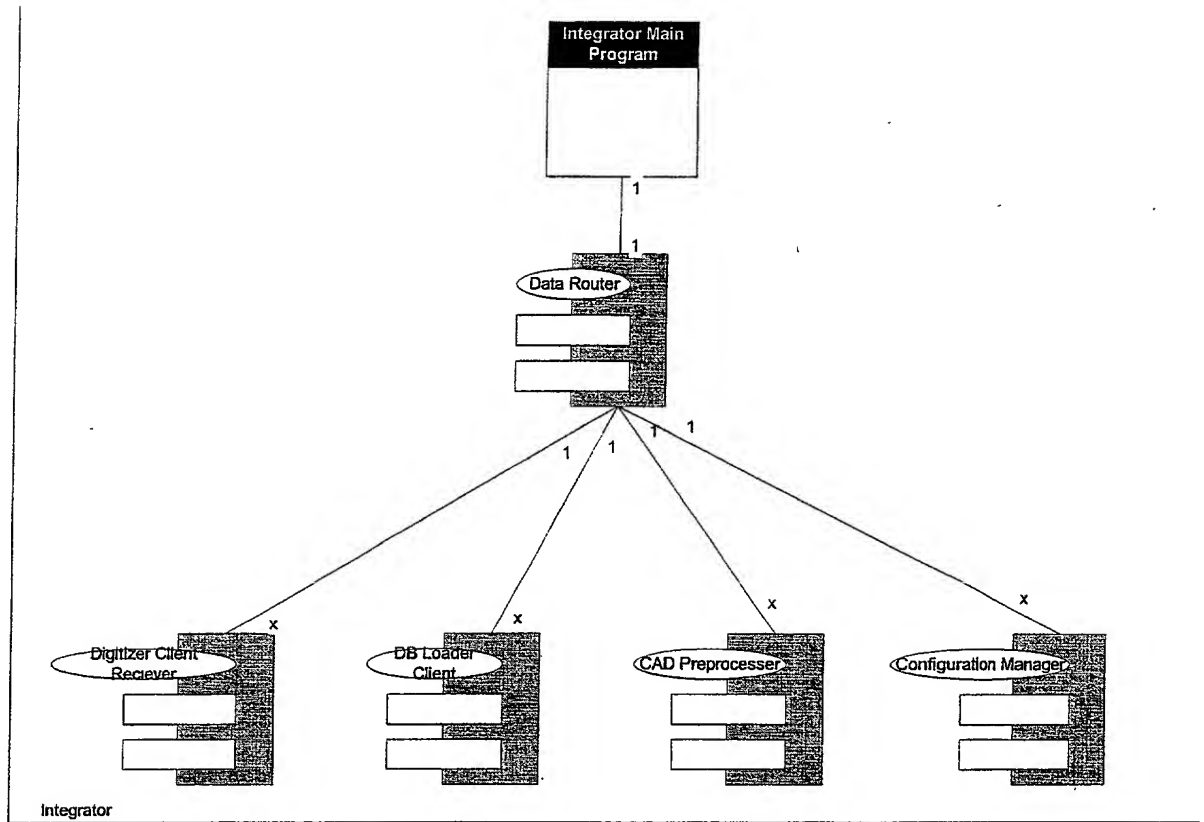


FIG. 2

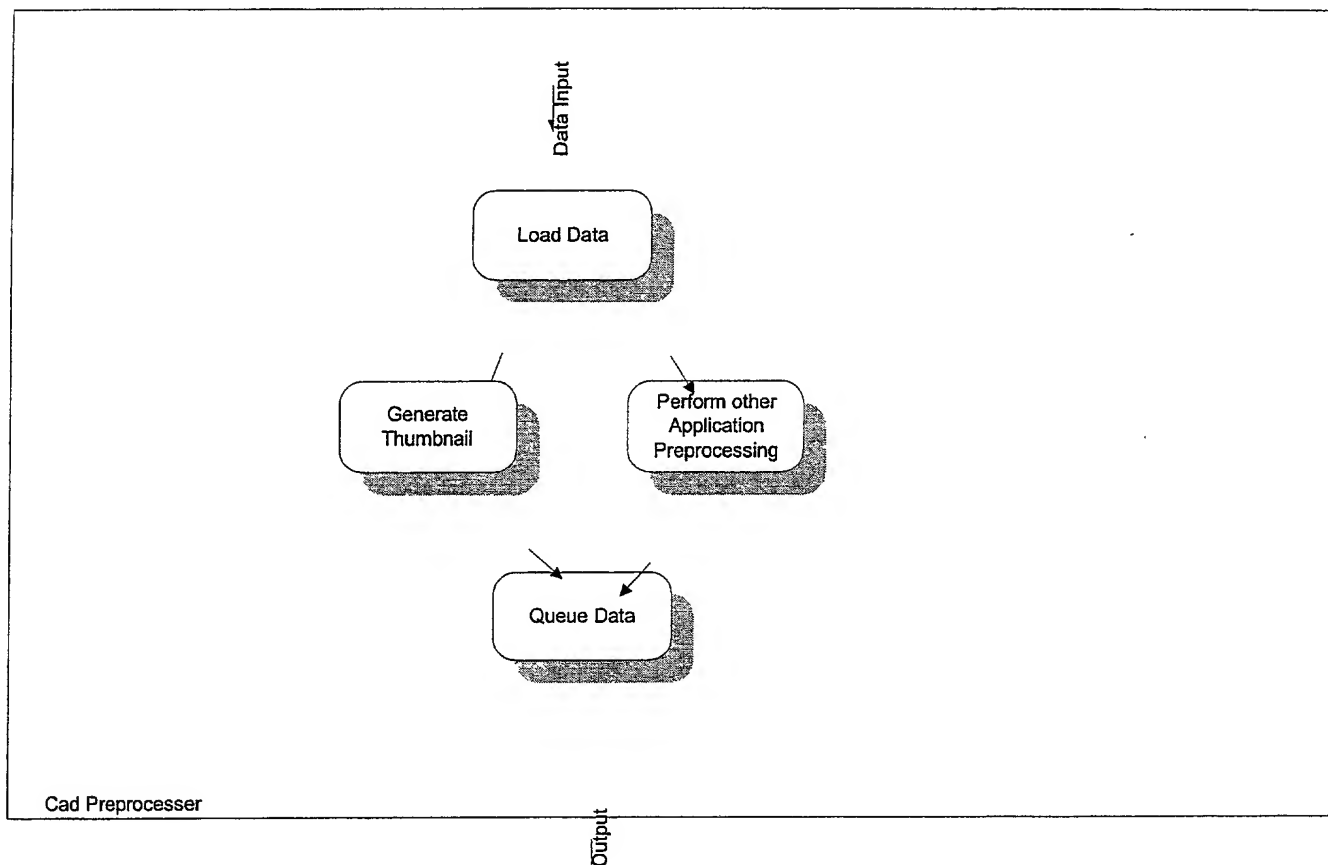


FIG. 3

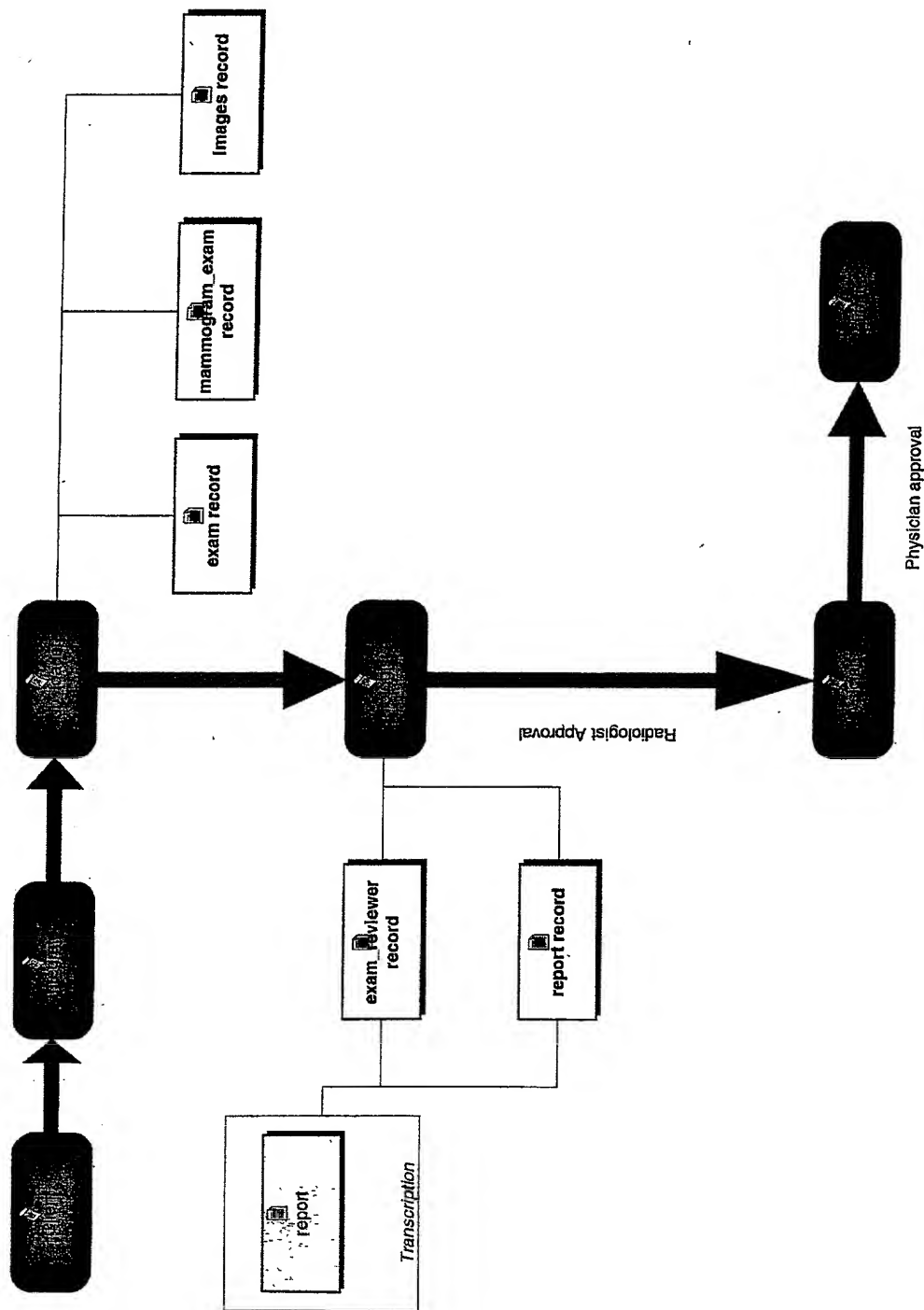


FIG. 4

Legend

☐ DB Record

1. Exam Flow

Creation relationship between programs and records

Application component

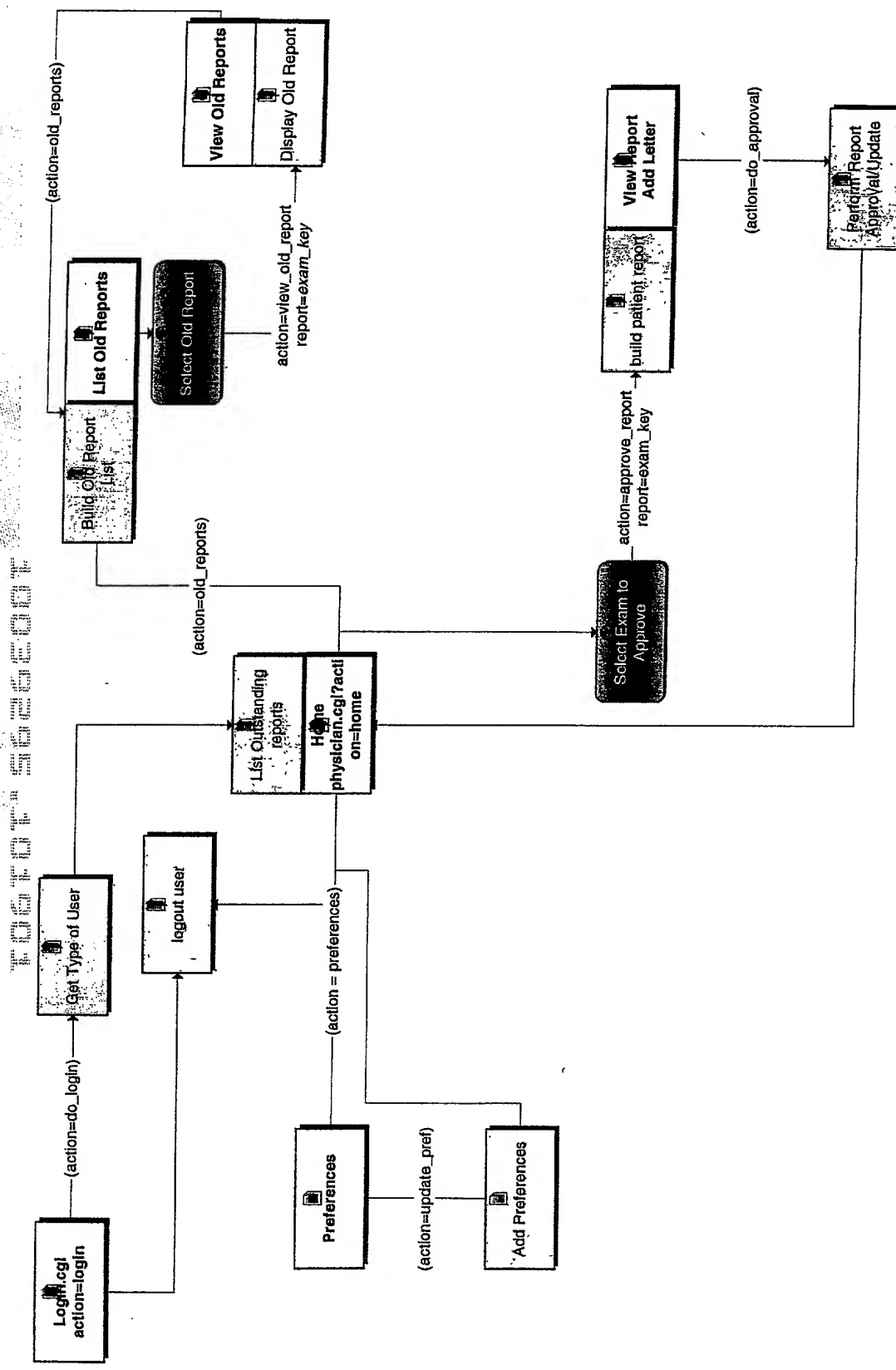
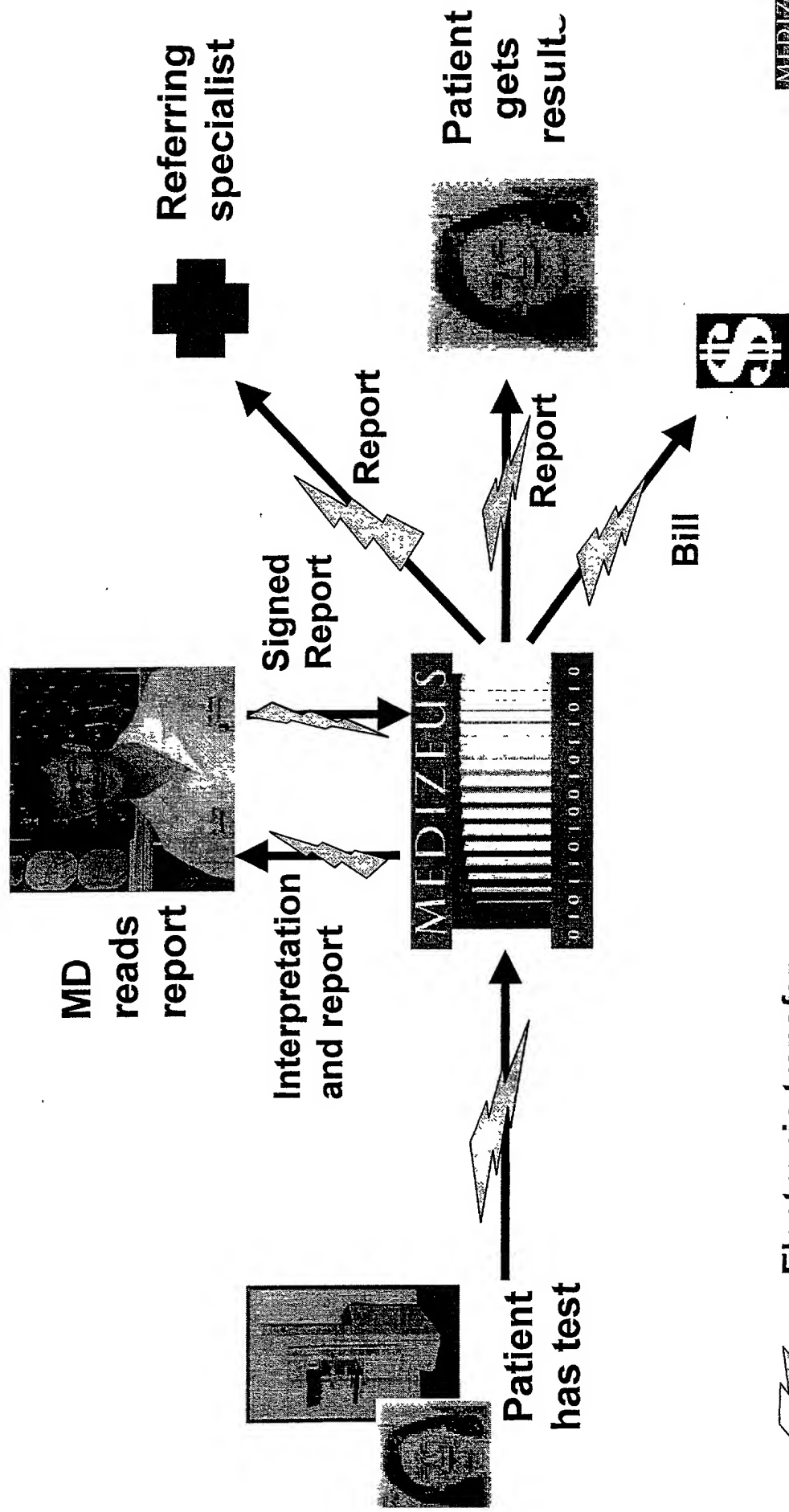


FIG. 5

The Medizeus RapidReport delivers now!



Electronic transfer

FIG. 6



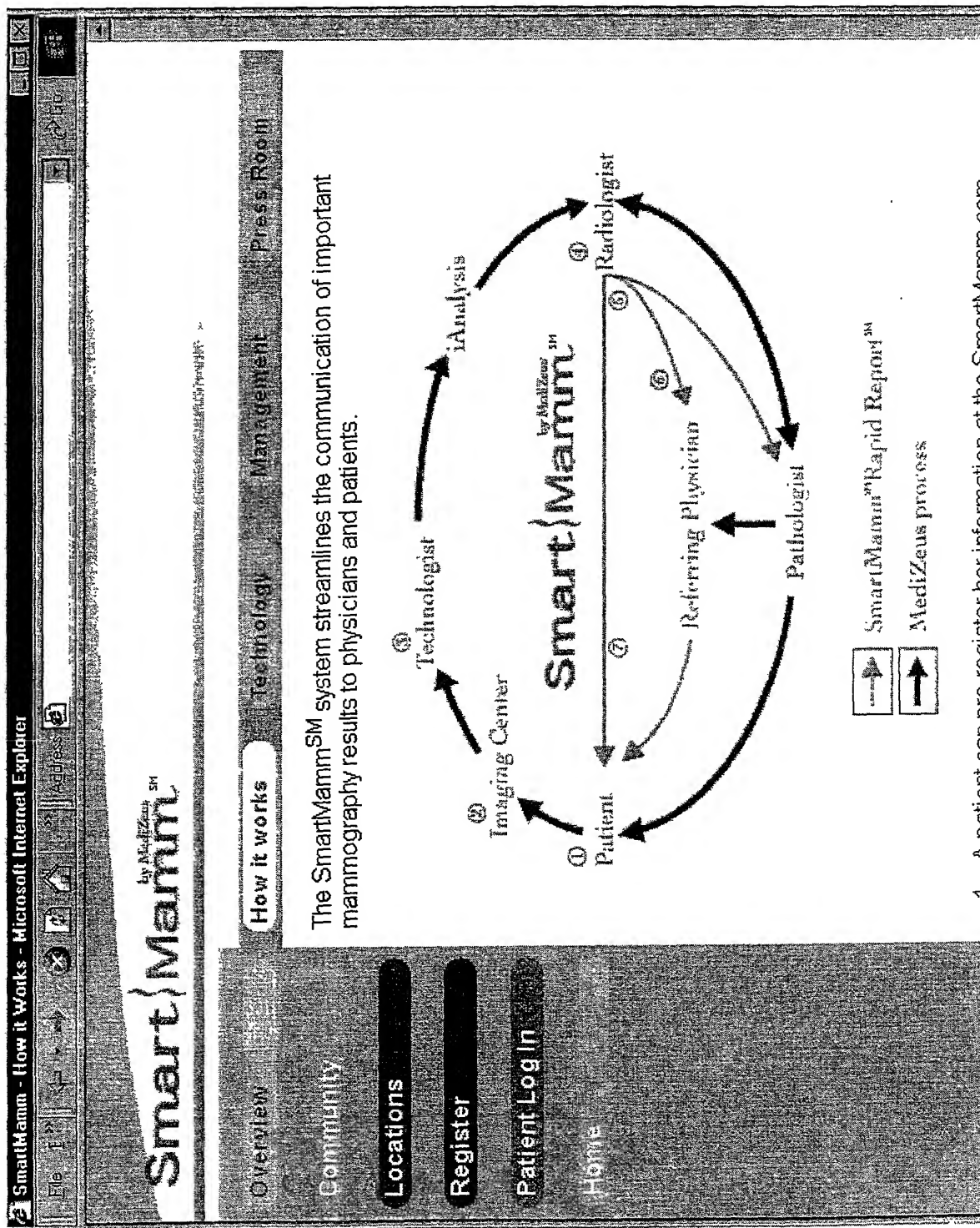


FIG. 7A

1 A patient can re-register her information at the SmartMamm.com

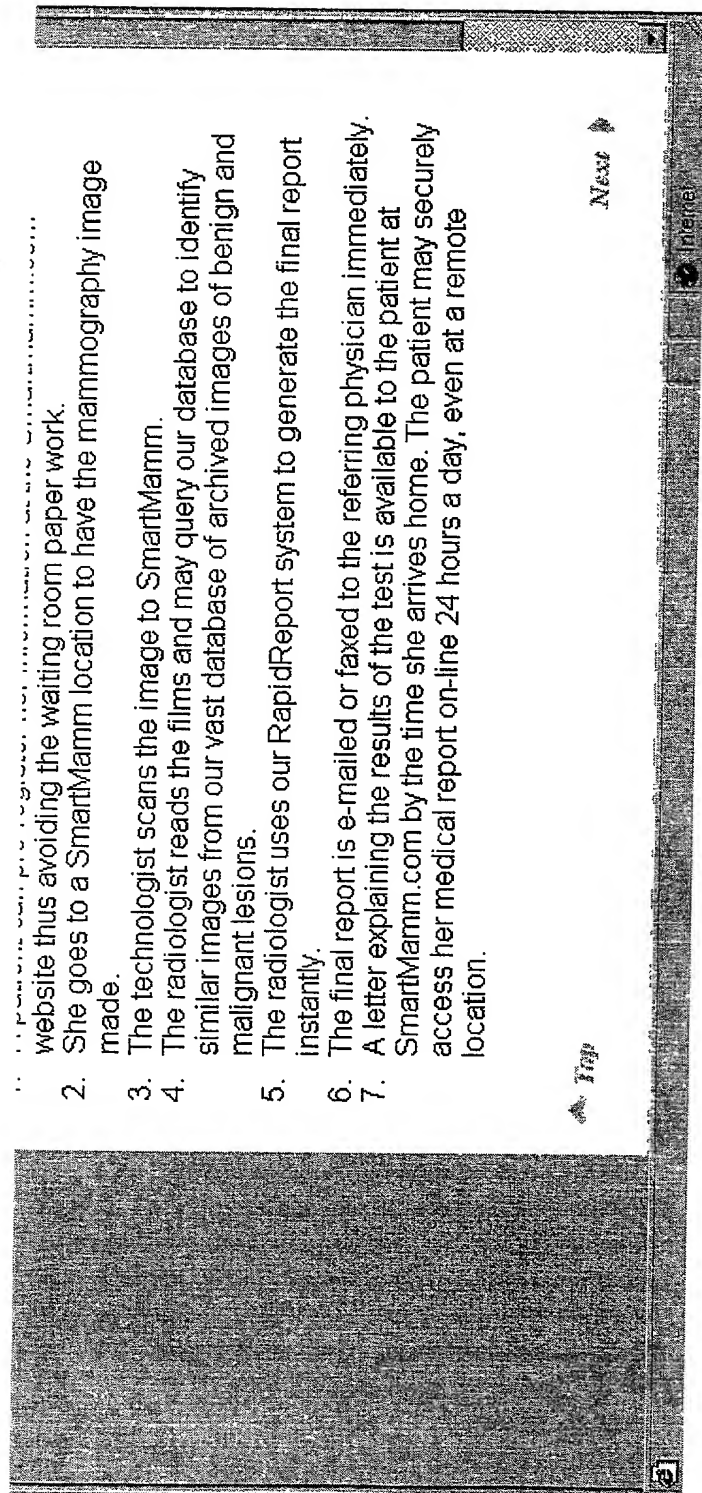


FIG. 7B

MediZeusSM

The Intelligence to Save Lives



SmartMammSM
by MediZeusSM
Increasing Mammogram Accuracy with Every Use

FIG. 8A

Patient Pre-Registers Online



Fig. 8B

SmartMamm by MedZeus - Microsoft Internet Explorer

File

Edit

View

Go

Tools

Window

Help

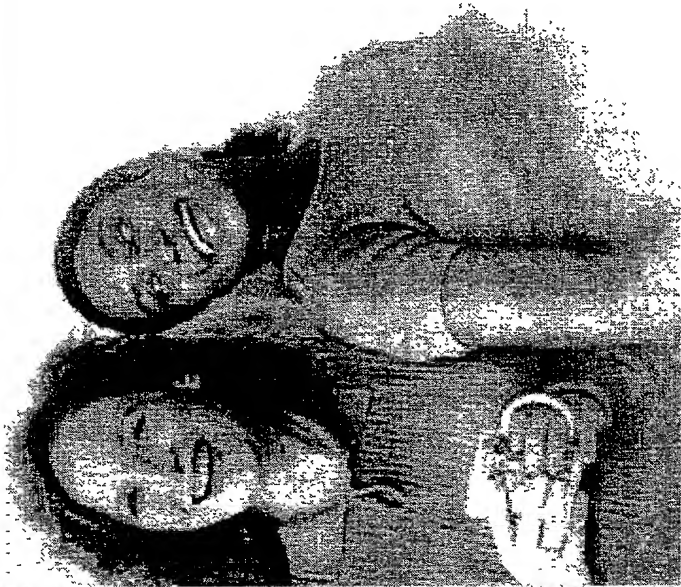
Address

Login

Site information

Register

Success stories



The best you can do for yourself

And every woman you know

Introducing SmartMamm. Medizeus' patent-pending **artificial intelligence** algorithms **increase the accuracy** of diagnosing breast cancer. Standard mammograms are transmitted to our central database for interpretation. Our technology delivers the probability of malignancy to the radiologist. The reports are quickly generated and transmitted to the referring physician in a matter of minutes. The patient can then access her results quickly when she drives home and see that her hospital is providing the best diagnosis in the world.

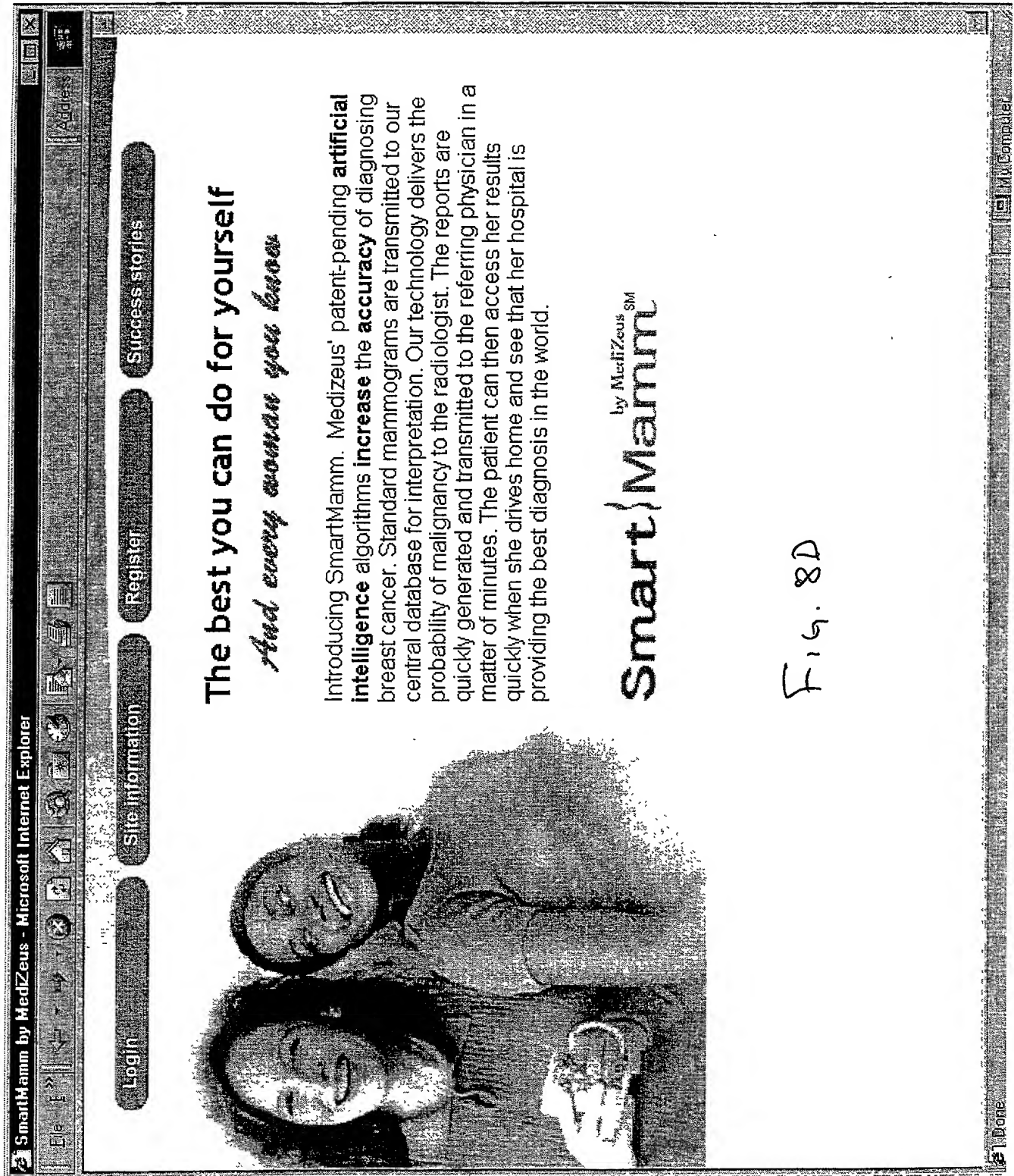
by MedizeusSM

SmartMamm

Done

My Computer

Fig. 8C



SmartMamm by MedZeus - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address

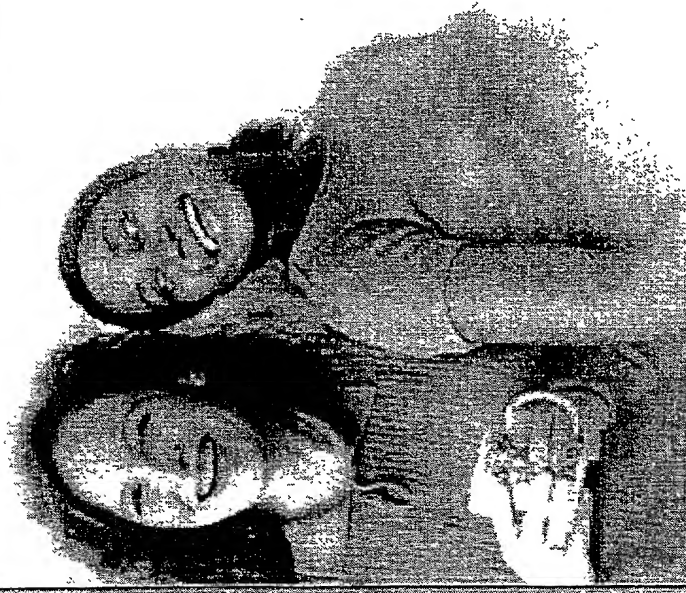
Site Information Register Success stories

Login

The best you can do for yourself
And every woman you know

Introducing SmartMamm. Medizeus' patent-pending **artificial intelligence** algorithms **increase** the **accuracy** of diagnosing breast cancer. Standard mammograms are transmitted to our central database for interpretation. Our technology delivers the probability of malignancy to the radiologist. The reports are quickly generated and transmitted to the referring physician in a matter of minutes. The patient can then access her results quickly when she drives home and see that her hospital is providing the best diagnosis in the world.

SmartMamm
 by Medizeus SM



Done

My Computer

Fig. 8D

SmartMamm by MediZeus - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address

SmartMammSM by MediZeus

Main page

Login for current users

New user registration

Site information

New User Registration

Please provide the following information as completely as possible. This information will be forwarded to your physician's office when completed. You won't need to repeat this in the waiting room!

Personal information:

Salutation

First name

Last name

Address (line 1)

Address (line 2)

City

State

ZIP code

Ms.

Georgia

Continue with registration

My Computer

Done

Fig. 8E

Patient has mammogram

Images transmitted
to MediZeus

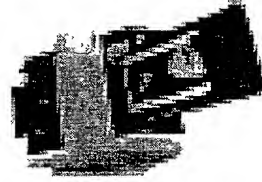
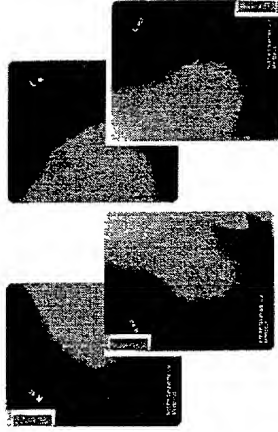
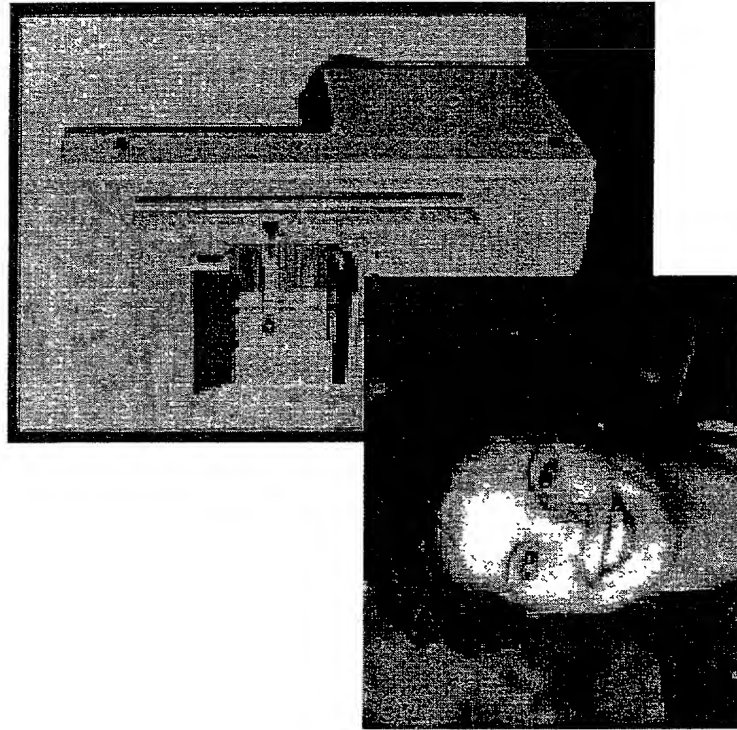


Fig. 8R

MedZeus - Microsoft Internet Explorer

Address

File Edit View Favorites Tools Help

MediZeus™

Radiologist home page

Home--current exams

View old records

Set user preferences

Logout

Enter the exam you wish to search for

QuickFind

Primary reader needed

Patient name	Exam #	Scan Date	Referring Physician
Haskins, Angie	214355445	08/10/2000	Anderson, Paul
Albers, Tammie	258221111	08/10/2000	Anderson, Paul

Secondary review needed

Patient name	Exam #	Scan Date	Referring Physician
There are no exams awaiting second reading			

Previous 20 exams completed

Patient name	Exam #	Scan Date	Referring Physician
Smith Ursula	213324343	08/09/2000	Anderson, Paul

Done

My Computer

Fig. 89

MedZeus - Microsoft Internet Explorer





Address

MediZeus™

RapidReport

Patient Information:
 NAME: Albers, Tammie
 SSN: 123-45-6789
 EXAM#: 258221111
 EXAM DATE: 08/10/2000

[Home-current exams](#)
[View old records](#)
[Set user preferences](#)
[Logout](#)

[View comparables](#)

FINDINGS:

R/L	Type	Location	Size
0- Right	1- Mass - Smooth	1- Posterior lateral	1- (0-4 mm)
1- Left	2- Mass - Irregular	2- Posterior medial	2- (5-9 mm)
	3- Microcalc - Pleomorphic	3- Anterior lateral	3- (10-15 mm)
	4- Microcalc - Amorphous	4- Anterior medial	4- (15-30 mm)
	5- Architectural distortion	5- Nipple	5- (30+ mm)

[Add finding](#)

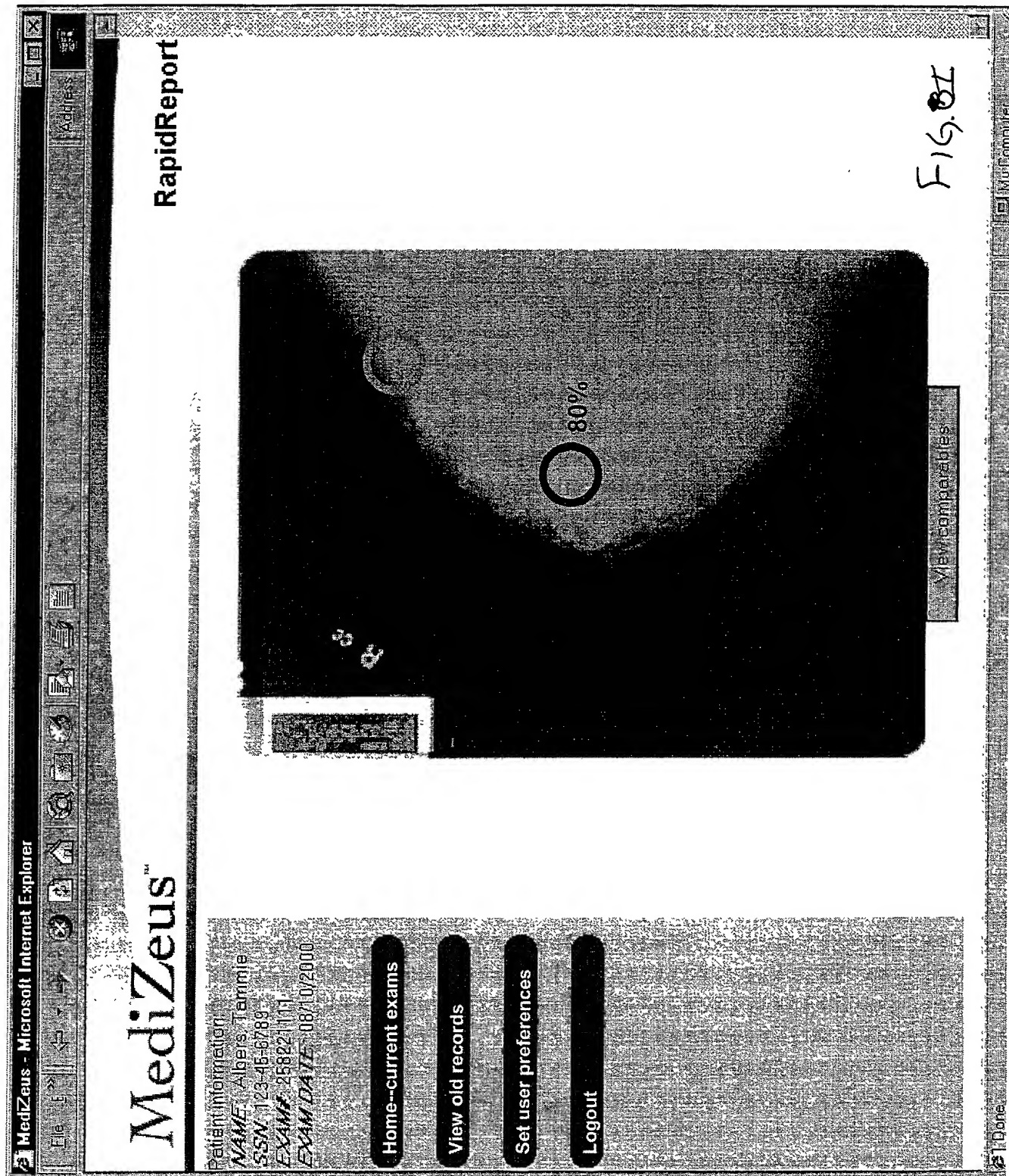
Overall BI-RADS :

[Finish and generate report](#)
[Clear and start over](#)

Done

My Computer

Fig. 8t



RapidReport

FIG. 31

MediZeusTM

Patient Information
NNAME: Albers, Tammie
SSN: 123-45-6789
EXAM#: 258221171
EXAM DATE: 08/10/2000

Home-current exams

View old records

Set user preferences

Layout

RapidReport



View comparables

FINDINGS:

R/L
0-Right
1-Left

Type
1-Mass - Smooth
2-Mass - Irregular
3-Microcalc - Pleomorphic
4-Microcalc - Amorphous
5-Architectural distortion

Location
1- Posterior lateral
2- Posterior medial
3- Anterior lateral
4- Anterior medial
5- Nipple

Size
1-(0-4 mm)
2-(5-9 mm)
3-(10-15 mm)
4-(15-30 mm)
5-(30+ mm)

Acid finding

Overall BI-RADS :	Please select a number (0-5)
0	
1	
2	
3	
4	
5	

Finish and generate report

Clear and start over

1985

RapidReport patient report

Patient Information:
NAME: Albers, Tammie
SSN: 123-45-6789
EXAM#: 25822111
EXAM DATE: 08/10/2000

BI-RADS: 3

Report:

There is a 15-30 mm amorphous cluster of microcalcifications in the right posterior lateral breast. There is a 0-4 mm pleomorphic microcalcifications in the left posterior medial breast.

Home-current exams

View old records

Set user preferences

Logout

Impression: The findings are probably benign; a short-term interval follow-up is recommended.
BI-RADS level 3

BI-RADS Level 3

Follow-up recommended:

Select from menu

Findings:

☐ masses ☒ calcs ☐ arch dist

Approve

10

Need second opinion?

78.816

MediZeus™

RapidReport patient report

Patient information
NAME: Albers, Tammie
SSN: 123-45-6789
EXAM# 25822111
EXAM DATE: 08/10/2000

Home--current exams

View old records

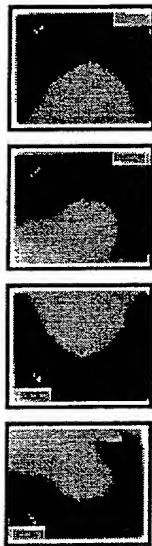
Set user preferences

Logout

Southside Radiological Asso.
Roswell, GA 30076

Radiology Consultation

Patient Name Albers, Tammie
X-ray number 25822111
Exam date 08/11/2000
Referring Phys. Anderson, P. MD



RIGHT

LEFT

Click on the thumbnail to enlarge the image. Not for diagnosis

REASON FOR REQUEST : Screening

REPORT:

There is a 15-30 mm amorphous cluster of microcalcifications in the right posterior lateral breast.
There is a 0-4 mm pleomorphic microcalcification in the left posterior medial breast.

IMPRESSION:

The findings are probably benign; a short-term interval followup is recommended.
BI-RADS level 3.

Signed by: Jane Smith, M.D. on 08/11/2000

Confirm

Help

FIG. 8L

MediZeus - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address

MediZeus™

Radiologist home page

Home--current exams

View old records

Set user preferences

Logout

Enter the exam you wish to search for

QuickFind

Report Approved

Primary reader needed

Patient name	Exam #	Scan Date	Referring Physician
Haskins, Angie	214355445	08/10/2000	Anderson, Paul

Secondary review needed

Patient name	Exam #	Scan Date	Referring Physician
There are no exams awaiting second reading			

Previous 20 exams completed

Patient name	Exam #	Scan Date	Referring Physician
Albers, Tammie	258221111	08/10/2000	Anderson, Paul
Smith Ursula	213324343	08/09/2000	Anderson, Paul

Fig. 8M

Done

Referring physician accesses patients results at Medizeus.com



Fig. 8N

Medizeus - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address

Medizeus™

Home

Please enter your login ID and password

Login ID

Password

Login

Clear fields

Your login ID is your Social Security Number (example: 123456789)

Login

Done

My Computer

Fig. 80

MediZeus™
Physician home page

Home--current exams
View old records
Set user preferences
Logout

Below is a list of patient exams waiting to be released.
Click on the patient name to view the exam.

Patient name	Exam #	Exam Date	Results ready	Release?	Path results	Release?
Haskins, Angie	343497498	08/10/2000	W			
Albers, Tammie	258221111	08/10/2000	3	<input type="checkbox"/>	-	
Smithers, Joan	250123456	08/10/2000	W			

Release checked exams

Below is a complete list of the last 20 exams you released

Patient name	Exam #	Exam Date	Results ready	Release?	Path results	Release?
You have no approved exams						

Done
My Computer

FIG. 8P

MediZeus™

RapidReport patient report

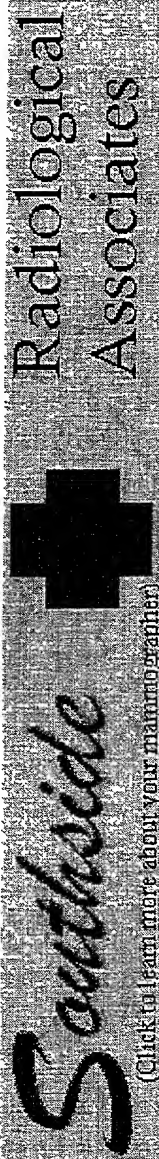
Patient information:
NAME: Albers, Tammie
SSN: 123-45-6789
EXAM#: 25822111
EXAM DATE: 08/11/2000
RADIOLOG: Smith, Jane MD

Home--current exams

View old records

Set user preferences

Logout



Southside Radiological Associates

(Click to learn more about your mammographer)

Southside Radiological Asso.

Roswell, GA 30076

Radiology Consultation

Patient Name Albers, Tammie

X-ray number 25822111

Exam date 08/11/2000

Referring Phys. Anderson, P. MD



RIGHT LEFT

Click on the thumbnail to enlarge the image. Not for diagnosis.

REASON FOR REQUEST: Screening

REPORT:

There is a 15-30 mm amorphous cluster of microcalcifications in the right posterior lateral breast. There is a 0-4 mm pleomorphic microcalcification in the left posterior medial breast.

IMPRESSION:

The findings are probably benign; a short-term interval followup is recommended
BI-RADS level 3.

Signed by: Jane Smith, MD on 08/11/2000

Continue

Help

FIG. 8Q

**Patient checks her results at
SmartMamm.com**



Fig. 8R

FIG. 85

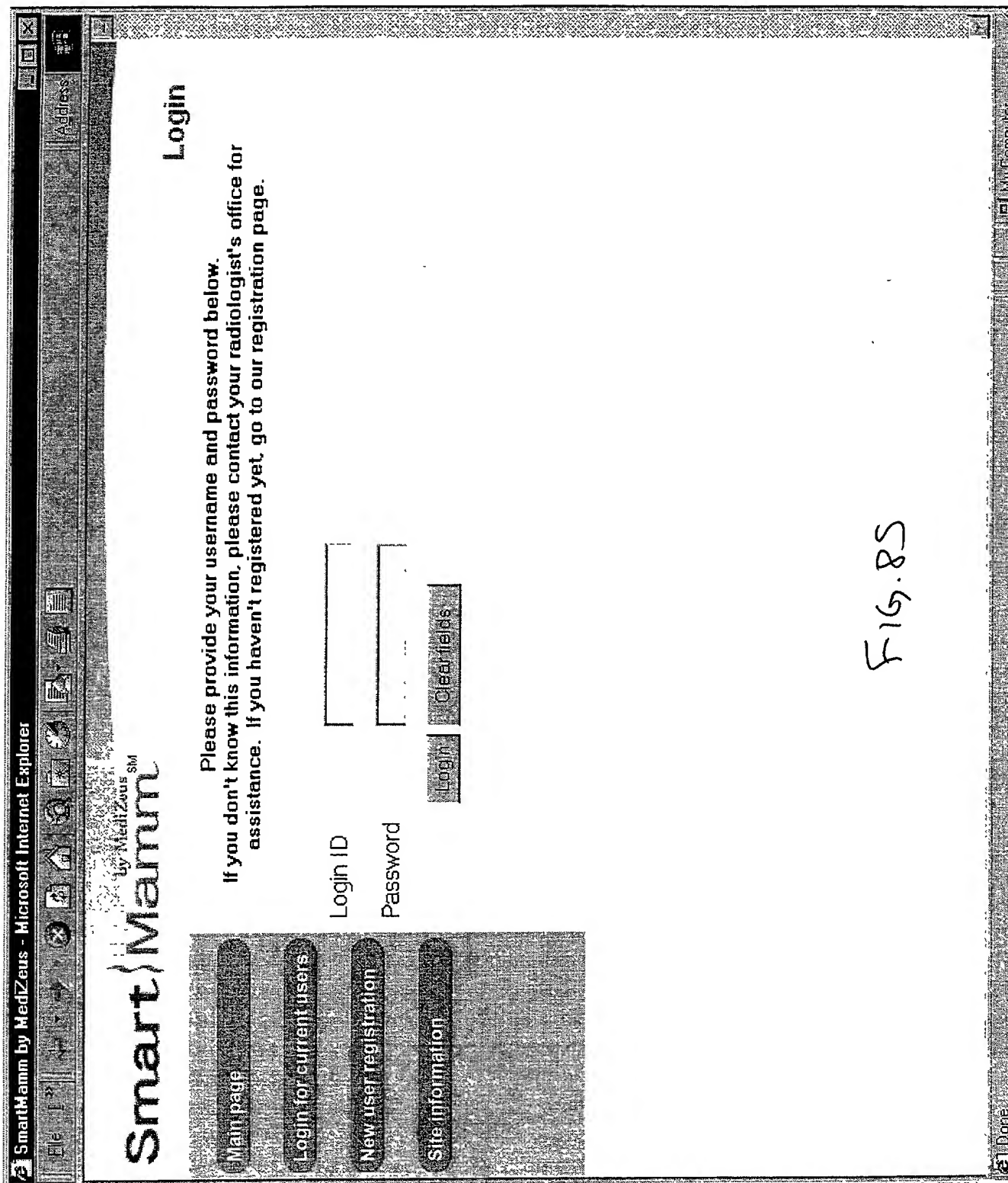


FIG. 85

SmartMamm by MedZeus - Microsoft Internet Explorer

File Edit View Favorites Tools Address

Address

SmartMamm

by MedZeus SM

Tammie Helbers
430 Tenth Street
Atlanta, GA 30318
404-555-1234
tammie723@earthlink.net

Home Exam List

Update your records

Clinical questionnaire

Logout

List of examinations

Select an exam from the following list

Read Exam?	Location	Referring MD	Exam Date
Read	Southside Radiological	Anderson	08/10/2000

FIG. 8T

SmartMamm by MedZeus - Microsoft Internet Explorer

Address

SmartMamm

by MedZeus SM

Tammie Albers
430 Tenth Street
Atlanta, GA 30318
404-555-1234
tammie@medzeus.com

Home-Exam list

Update your records

Clinical questionnaire

Logout

Doctor's letter

Southside

+

Radiological Associates

(Click to learn more about your mammography)

August 10, 2000

Dear Mrs. Albers:

Your recent mammography examination showed an area that we believe is **benign (not cancer)**. However, in six months, you should have a follow-up mammogram to confirm this area has not changed.

As you know, early detection of cancer is very important. Although mammography is the most accurate method for early detection, not all cancers are found through mammography. A thorough examination includes a combination of mammography, physical examination and breast self-examination. Therefore, if you have not had a recent physical examination of your breasts by your clinician, see your physician or other health care provider.

A report of your mammography results was sent to: Dr. Paul Anderson.

Your mammogram will become part of your medical file here at Southside Radiological Associates for at least 10 years. You are responsible for informing any new health care provider of mammography facility of the date and location of the examination

Sincerely,
Jane Smith, MD
Interpreting radiologist

Fig. 8U

[View your mammography results](#)

My Computer

SmartMamm
by MedZeus SM

Tammie Halbers
430 Tenth Street
Atlanta, GA 30318
404-555-1234
tammie227@att.net

Home-Exam list

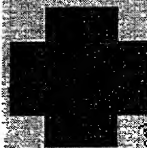
Update your records

Clinical questionnaire

Logout

Your mammography results

Radiological
Associates



Southside

(Click to learn more about your mammographer)

Southside Radiological Asso.
Roswell, GA 30076

Radiology Consultation

Patient Name Albers, Tammie
X-ray number 258221111
Exam date 08/11/2000
Referring Phys. Anderson, P. MD



RIGHT

LEFT

Click on the thumbnail to enlarge the image. Not for diagnosis

REASON FOR REQUEST : Screening

REPORT:

There is a 15-30 mm amorphous cluster of microcalcifications in the right posterior lateral breast. There is a 0-4 mm pleomorphic microcalcification in the

MICROCALCIFICATION

Small deposits of calcium that are visible as bright spots in a mammogram. Through usually benign, irregular distributions of microcalcifications may indicate malignant tissue.

IMPRESSION:

The findings are probably benign; a short-term follow-up is recommended.
BI-RADS level: 3

Dr. Smith, M.D. on 08/11/2000

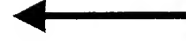
F16-8V

SmartMamm
by MediZeusSM
Increasing Mammogram Accuracy with Every Use



SmartLab → **MediZeusSM**
Patient Centered Record

SmartAngio



SmartCardio

Fig. 8w